

PA9816.ST25  
SEQUENCE LISTING



<110> Storey, Anthony E  
Mendizabal, Marivi  
Champion, Susan  
Gibson, Alex  
Guilbert, Benedicte  
Wilson, Ian A  
Knox, Peter

<120> Labelled Glutamine and Lysine Analogues

<130> PA-9816

<140> 09/674,616

<141> 1999-05-14

<150> PCT/GB99/01550

<151> 1999-05-14

<150> EP 98303872.0

<151> 1998-05-15

<160> 29

<170> PatentIn version 3.1

<210> 1

<211> 12

<212> PRT

<213> synthetic peptide

<400> 1

Asn Gln Glu Gln Val Ser Pro Tyr Thr Leu Leu Lys  
1 5 10

<210> 2

<211> 13

<212> PRT

<213> synthetic peptide

<400> 2

Asn Gln Glu Gln Val Ser Pro Tyr Thr Leu Leu Lys Gly  
1 5 10

PA9816.ST25

<210> 3  
 <211> 13  
 <212> PRT  
 <213> synthetic peptide

<400> 3

Asn	Gln	Glu	Ala	Val	Ser	Pro	Tyr	Thr	Leu	Leu	Lys	Gly
1				5					10			

<210> 4  
 <211> 13  
 <212> PRT  
 <213> synthetic peptide

<400> 4

Asn	Ala	Glu	Ala	Val	Ser	Pro	Tyr	Thr	Leu	Leu	Lys	Gly
1				5					10			

<210> 5  
 <211> 13  
 <212> PRT  
 <213> synthetic peptide

<400> 5

Asn	Gln	Gln	Gln	Val	Ser	Pro	Tyr	Thr	Leu	Leu	Lys	Gly
1				5					10			

<210> 6  
 <211> 3  
 <212> PRT  
 <213> synthetic peptide

<400> 6

Asn	Gln	Gly
1		

<210> 7  
 <211> 6  
 <212> PRT

PA9816.ST25

<213> synthetic peptide

<400> 7

Asn Gln Glu Gln Val Gly  
1 5

<210> 8

<211> 9

<212> PRT

<213> synthetic peptide

<400> 8

Asn Gln Glu Gln Val Ser Pro Tyr Gly  
1 5

<210> 9

<211> 13

<212> PRT

<213> synthetic peptide

<400> 9

Asn Gln Glu Gln Val Ser Pro Leu Thr Leu Leu Lys Gly  
1 5 10

<210> 10

<211> 13

<212> PRT

<213> synthetic peptide

<220>

<221> MISC\_FEATURE

<222> (8)..(8)

<223> MISC\_FEATURE "Xaa" = 2-naphthylalanine

<400> 10

Asn Gln Glu Gln Val Ser Pro Xaa Thr Leu Leu Lys Gly  
1 5 10

<210> 11

PA9816.ST25

<211> 13  
 <212> PRT  
 <213> synthetic peptide

<220>  
 <221> MISC\_FEATURE  
 <222> (8)..(8)  
 <223> MISC\_FEATURE "Xaa" = pBr-Phe

<400> 11

Asn	Gln	Glu	Gln	Val	Ser	Pro	Xaa	Thr	Leu	Leu	Lys	Gly
1				5					10			

<210> 12  
 <211> 13  
 <212> PRT  
 <213> synthetic peptide

<220>  
 <221> MISC\_FEATURE  
 <222> (8)..(8)  
 <223> MISC\_FEATURE "Xaa" = I-Tyr

<400> 12

Asn	Gln	Glu	Gln	Val	Ser	Pro	Xaa	Thr	Leu	Leu	Lys	Gly
1				5					10			

<210> 13  
 <211> 13  
 <212> PRT  
 <213> synthetic peptide

<220>  
 <221> MISC\_FEATURE  
 <222> (8)..(8)  
 <223> MISC\_FEATURE "Xaa" = I2-Tyr

<400> 13

Asn	Gln	Glu	Gln	Val	Ser	Pro	Xaa	Thr	Leu	Leu	Lys	Gly
1				5					10			

PA9816.ST25

<210> 14  
 <211> 13  
 <212> PRT  
 <213> synthetic peptide

<220>  
 <221> MISC\_FEATURE  
 <222> (12)..(12)  
 <223> MISC\_FEATURE "Xaa" = D-Lys

<400> 14

Asn Gln Glu Gln Val Ser Pro Tyr Thr Leu Leu Xaa Gly  
 1 5 10

<210> 15  
 <211> 13  
 <212> PRT  
 <213> synthetic peptide

<220>  
 <221> MISC\_FEATURE  
 <222> (8)..(8)  
 <223> MISC\_FEATURE "Xaa" = D-Tyr

<220>  
 <221> MISC\_FEATURE  
 <222> (12)..(12)  
 <223> MISC\_FEATURE "Xaa" = D-Lys

<400> 15

Asn Gln Glu Gln Val Ser Pro Xaa Thr Leu Leu Xaa Gly  
 1 5 10

<210> 16  
 <211> 13  
 <212> PRT  
 <213> synthetic peptide

<220>

PA9816.ST25

<221> MISC\_FEATURE  
<222> (6)..(6)  
<223> MISC\_FEATURE "Xaa" = D-Ser

<220>  
<221> MISC\_FEATURE  
<222> (8)..(8)  
<223> MISC\_FEATURE "Xaa" = D-Tyr

<220>  
<221> MISC\_FEATURE  
<222> (12)..(12)  
<223> MISC\_FEATURE "Xaa" = D-Lys

<400> 16

Asn Gln Glu Gln Val Xaa Pro Xaa Thr Leu Leu Xaa Gly  
1 5 10

<210> 17  
<211> 13  
<212> PRT  
<213> synthetic peptide

<220>  
<221> MISC\_FEATURE  
<222> (5)..(5)  
<223> MISC\_FEATURE "Xaa" = D-Val

<220>  
<221> MISC\_FEATURE  
<222> (6)..(6)  
<223> MISC\_FEATURE "Xaa" = D-Ser

<220>  
<221> MISC\_FEATURE  
<222> (8)..(8)  
<223> MISC\_FEATURE "Xaa" = D-Tyr

<220>  
<221> MISC\_FEATURE

PA9816.ST25

<222> (12)..(12)

<223> MISC\_FEATURE "Xaa" = D-Lys

<400> 17

Asn Gln Glu Gln Xaa Xaa Pro Xaa Thr Leu Leu Xaa Gly  
1 5 10

<210> 18

<211> 13

<212> PRT

<213> synthetic peptide

<220>

<221> MISC\_FEATURE

<222> (1)..(1)

<223> MISC\_FEATURE "Xaa" = D-Asn

<220>

<221> MISC\_FEATURE

<222> (8)..(8)

<223> MISC\_FEATURE "Xaa" = D-Tyr

<220>

<221> MISC\_FEATURE

<222> (12)..(12)

<223> MISC\_FEATURE "Xaa" = D-Lys

<400> 18

Xaa Gln Glu Gln Val Ser Pro Xaa Thr Leu Leu Xaa Gly  
1 5 10

<210> 19

<211> 13

<212> PRT

<213> synthetic peptide

<220>

<221> MISC\_FEATURE

<222> (8)..(8)

<223> MISC\_FEATURE "Xaa" = D-Tyr

<220>  
 <221> MISC\_FEATURE  
 <222> (13)..(13)  
 <223> MISC\_FEATURE "Xaa" = beta-Ala

<220>  
 <221> MISC\_FEATURE  
 <222> (12)..(12)  
 <223> MISC\_FEATURE "Xaa" = D-Lys

<400> 19

Asn Gln Glu Gln Val Ser Pro Xaa Thr Leu Leu Xaa Xaa  
 1 5 10

<210> 20  
 <211> 12  
 <212> PRT  
 <213> synthetic peptide

<220>  
 <221> MISC\_FEATURE  
 <222> (7)..(7)  
 <223> MISC\_FEATURE "Xaa" = D-Tyr

<220>  
 <221> MISC\_FEATURE  
 <222> (11)..(11)  
 <223> MISC\_FEATURE "Xaa" = D-Lys

<400> 20

Gln Glu Gln Val Ser Pro Xaa Thr Leu Leu Xaa Gly  
 1 5 10

<210> 21  
 <211> 13  
 <212> PRT  
 <213> synthetic peptide



PA9816.ST25

<220>  
<221> MISC\_FEATURE  
<222> (5)..(12)  
<223> MISC\_FEATURE = D-amino acids

<400> 21

Asn Gln Glu Gln Val Ser Pro Tyr Thr Leu Leu Lys Gly  
1 5 10

<210> 22  
<211> 9  
<212> PRT  
<213> synthetic peptide

<220>  
<221> MISC\_FEATURE  
<222> (2)..(9)  
<223> MISC\_FEATURE = D-amino acids

<400> 22

Gly Lys Leu Leu Thr Tyr Pro Ser Val  
1 5

<210> 23  
<211> 9  
<212> PRT  
<213> synthetic peptide

<220>  
<221> MISC\_FEATURE  
<222> (5)..(5)  
<223> MISC\_FEATURE "Xaa" = D-Val

<220>  
<221> MISC\_FEATURE  
<222> (6)..(6)  
<223> MISC\_FEATURE "Xaa" = O-methyl serine

<400> 23

PA9816.ST25

Asn Gln Gln Gln Xaa Xaa Pro Leu Gly  
1 5

<210> 24  
<211> 13  
<212> PRT  
<213> synthetic peptide

<400> 24

Asn Gln Glu Gln Val Ser Pro Tyr Ala Ala Ala Gly  
1 5 10

<210> 25  
<211> 10  
<212> PRT  
<213> synthetic peptide

<400> 25

Leu Gly Pro Gly Gln Ser Lys Val Ile Gly  
1 5 10

<210> 26  
<211> 6  
<212> PRT  
<213> synthetic peptide

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> MISC\_FEATURE "Xaa" = pyro-Glu

<400> 26

Xaa Ala Gln Ile Val Gly  
1 5

<210> 27  
<211> 12  
<212> PRT  
<213> synthetic peptide

PA9816.ST25

<400> 27

Leu Glu Phe Asp Thr Gln Ser Lys Asn Ile Leu Gly  
1 5 10

<210> 28

<211> 7

<212> PRT

<213> synthetic peptide

<400> 28

Gly Gln Asp Pro Val Lys Gly  
1 5

<210> 29

<211> 12

<212> PRT

<213> synthetic peptide

<400> 29

Tyr Glu Val His His Gln Lys Leu Val Phe Phe Gly  
1 5 10